

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2001-310188**
 (43)Date of publication of application : **06.11.2001**

(51)Int.CI. C02F 1/463
 C02F 1/465
 C02F 1/58
 C25B 9/02
 C25B 11/02

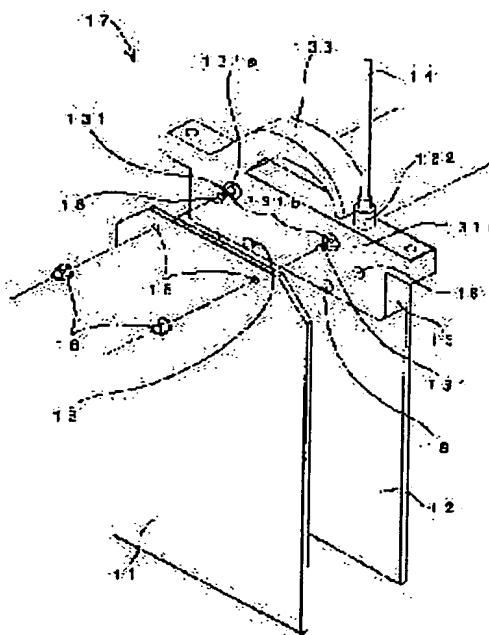
(21)Application number : **2000-133713** (71)Applicant : **SANYO ELECTRIC CO LTD**
 (22)Date of filing : **02.05.2000** (72)Inventor : **FUKUMOTO AKIHIRO**

(54) ELECTRODE UNIT FOR WATER TREATMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an electrode unit for water treatment eliminating necessity for performing a screw hole in an electrode plate, capable of simply positioning electrodes when the electrodes are attached to a predetermined member, capable preventing fear such that the member connected to a terminal is cut and capable of preventing forgetting to connect the terminal.

SOLUTION: The electrode unit 17 for water treatment is equipped with one set of iron electrodes 11, 12 and one electrode holder 13. The electrode holder 13 is equipped with steel bolt parts 131 provided to both front and rear side walls in a protruded state and one terminal part 132 electrically connecting the bolt parts 131 and a DC power supply through one lead wire 14. The upper edge parts of the electrodes 11, 12 are attached to the bolt parts 131 of the electrode holder 13 by attaching holes 15 and tightened by steel cap nuts 16 to form the electrode unit 17.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

BEST AVAILABLE COPY

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

<p>2002-143924/19</p> <p>D15 J03</p> <p>SANYO ELECTRIC CO LTD</p> <p>2000.05.02 2000-133713(+2000JP-133713) (2001.11.06) C02F 1/463, 1/465, 1/58, C25B 9/02, 11/02</p> <p>Electrode unit for water treatment, uses bolts and nuts for fixing electrodes through holes formed in electrodes and passing electric current supplied from direct current power source</p> <p>C2002-045048</p>	<p>SAOL 2000.05.02</p> <p>*JP 2001310188-A</p> <p>NOVELTY</p> <p>Electrodes (11,12) hung from an electrode holder (13) connected to a direct current power source, emit iron or aluminum ions for removing phosphorous acid content in water by electrolysis. A pair of bolts (131) connected to the power supply, are inserted in holes (15) formed in each electrode and fastened by nuts (16) for fixing the electrodes.</p>	<p>ADVANTAGE</p> <p>The positioning of an electrode plate can be performed simply without taking time for forming a screw hole in the electrode plate, since bolts and nuts are used for fixing the electrodes to an electrode holder with nuts. The disconnection of electric connection terminal or connection forgetfulness can be prevented, since the bolts perform the function of connecting the electrodes to an electric power supply apart from holding them.</p> <p>DESCRIPTION OF DRAWING</p> <p>The figure shows an isometric view of the electrode unit for water treatment in dismantled condition.</p> <p>Electrodes 11,12 Electrode holder 13 Holes 15 Nuts 16 Bolts 131</p> <p>USE</p> <p>For holding electrodes used for performing water treatment by electrolysis process for purifying waste water such as human waste water and life waste water, etc., for removing the under water phosphoric acid content.</p>
---	---	---

JP 2001310188-A+

2002-143924/19	D15 J03	SAOL 20000502 *JP 2001310188-A	D(4-A1M, 4-B7B, 4-B10) J(3-B1)
SANYO ELECTRIC CO LTD 2000.05.02 2000-133713(+2000JP-133713) (2001.11.06) C02F 1/463, 1/465, 1/58, C25B 9/02, 11/02	Electrode unit for water treatment, uses bolts and nuts for fixing electrodes through holes formed in electrodes and passing electric current supplied from direct current power source C2002-045048	NOVELTY Electrodes (11,12) hung from an electrode holder (13) connected to a direct current power source, emit iron or aluminum ions for removing phosphorous acid content in water by electrolysis. A pair of bolts (131) connected to the power supply, are inserted in holes (15) formed in each electrode and fastened by nuts (16) for fixing the electrodes.	ADVANTAGE The positioning of an electrode plate can be performed simply without taking time for forming a screw hole in the electrode plate, since bolts and nuts are used for fixing the electrodes to an electrode holder with nuts. The disconnection of electric connection terminal or connection forgetfulness can be prevented, since the bolts perform the function of connecting the electrodes to an electric power supply apart from holding them.
USE	For holding electrodes used for performing water treatment by electrolysis process for purifying waste water such as human waste water and life waste water, etc., for removing the under water phosphoric acid content.	DESCRIPTION OF DRAWING The figure shows an isometric view of the electrode unit for water treatment in dismantled condition. Electrodes 11,12 Electrode holder 13 Holes 15 Nuts 16 Bolts 131	JP 2001310188-A+